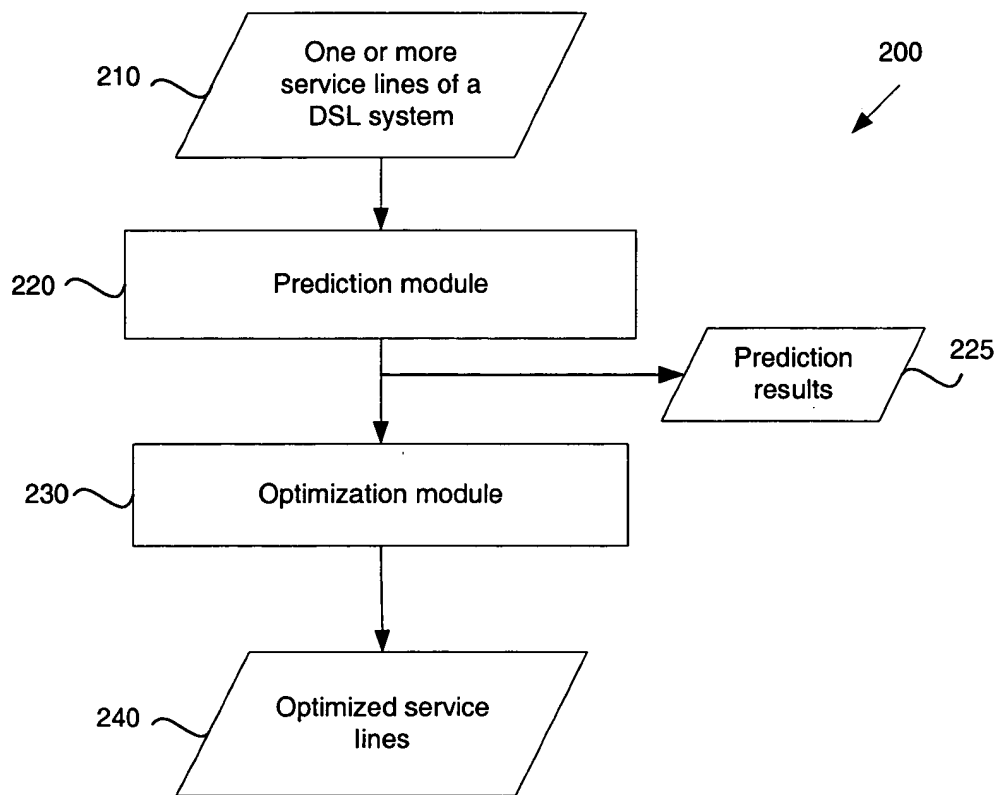
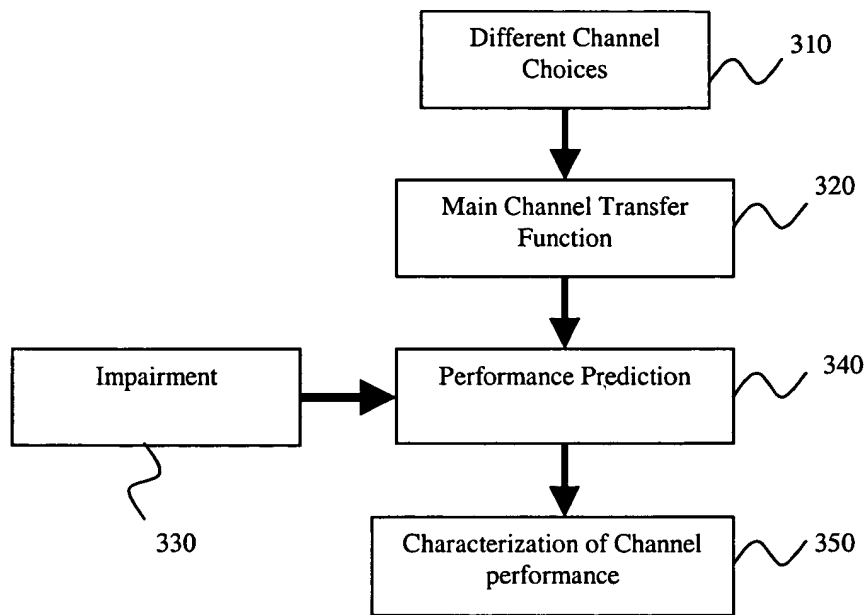


**Figure 1**

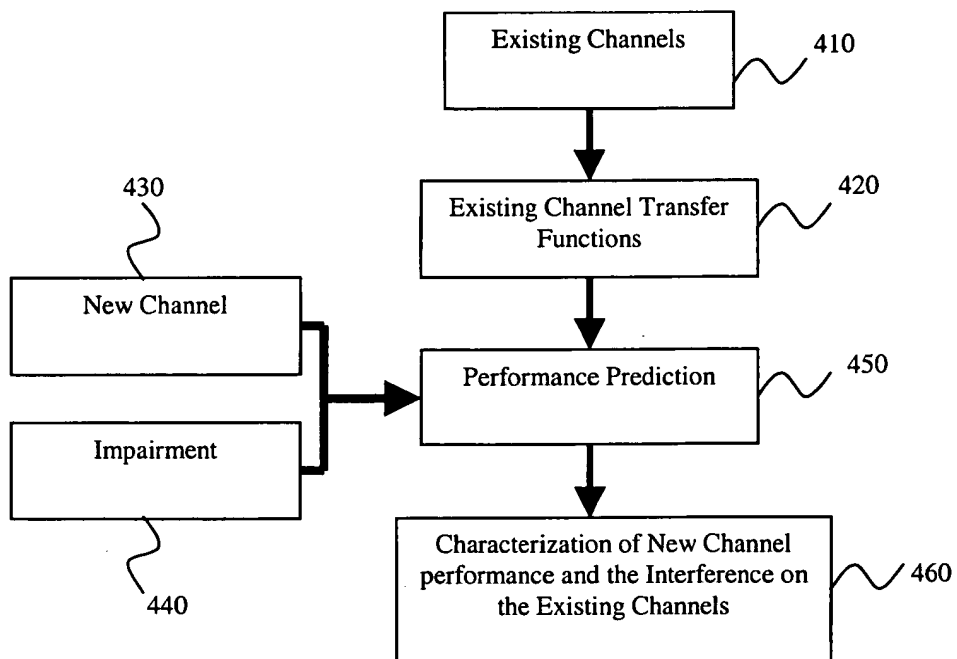
09710487-11000



**Figure 2**



**Figure 3**



**Figure 4**

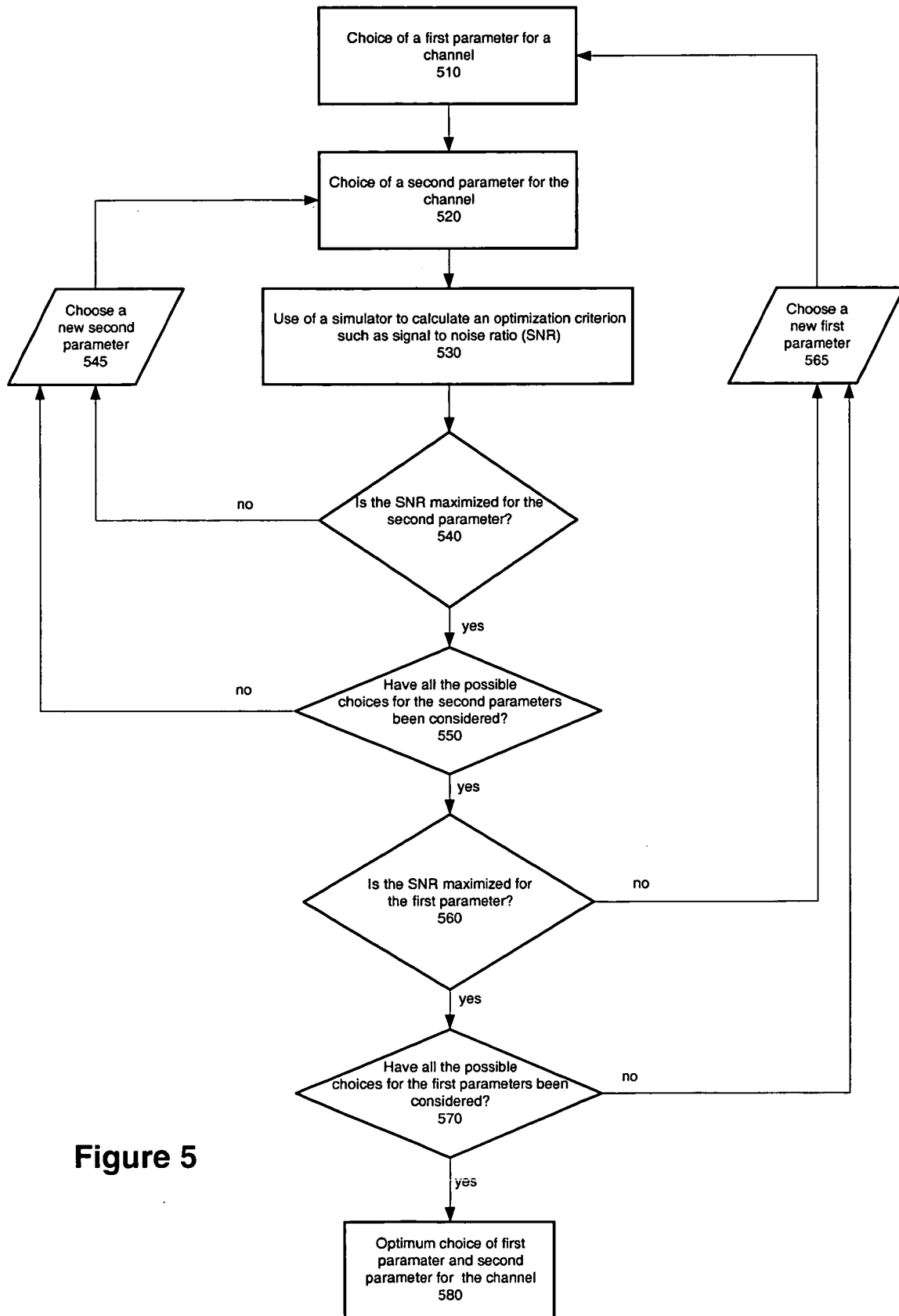


Figure 5

UNITED STATES PATENT APPLICATION  
FOR  
METHOD AND APPARATUS FOR THE PREDICTION AND OPTIMIZATION  
IN IMPAIRED COMMUNICATION SYSTEMS

INVENTOR(S):

John Josef Hensch  
Thorkell Gudmundsson  
Ioannis Kanellakopoulos  
Sunil C. Shah  
Gurcan Aral  
Yaolong Tan

PREPARED BY:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 WILSHIRE BOULEVARD  
SEVENTH FLOOR  
LOS ANGELES, CA 90025-1026  
(408) 720-8300

"Express Mail" mailing label number EL431886042US

Date of Deposit: November 10, 2000

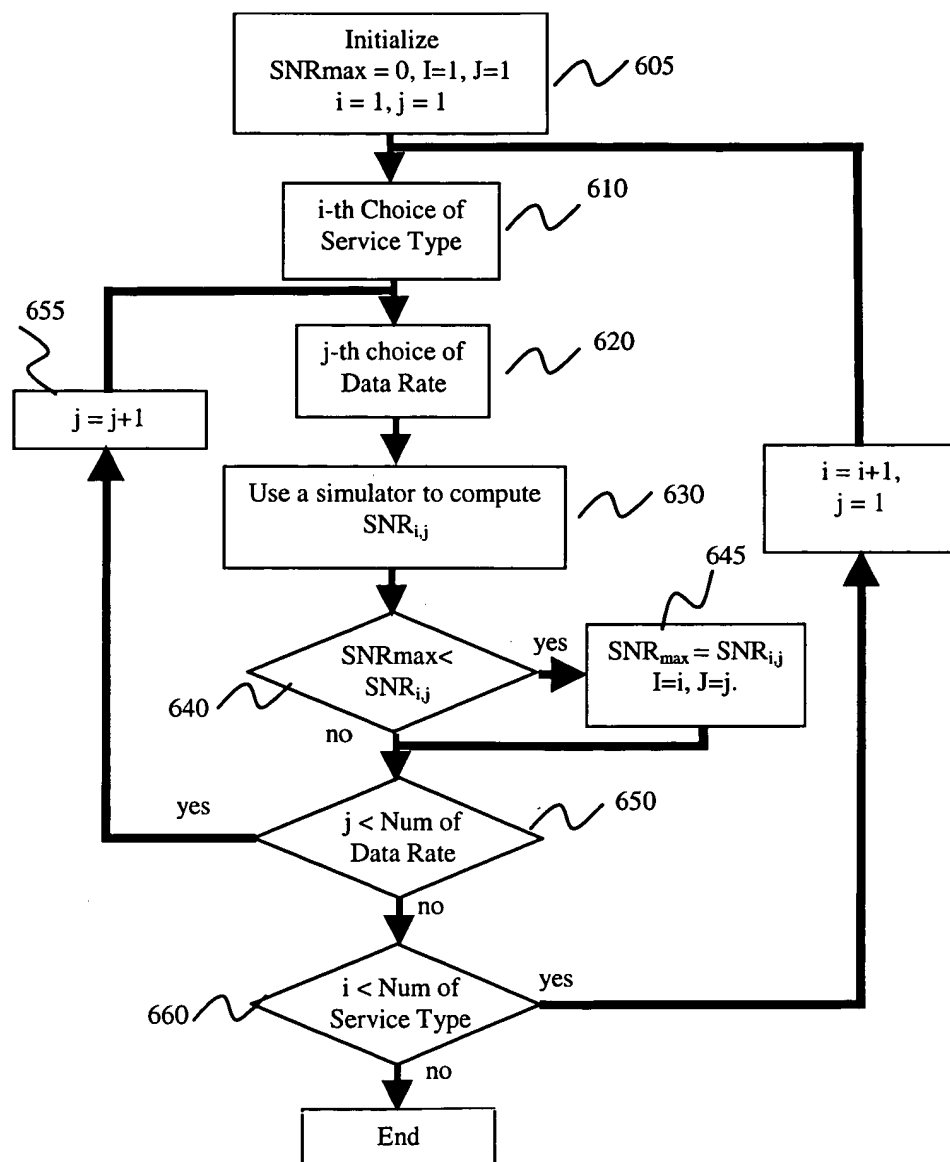
I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

Carla Zavala  
(Typed or printed name of person mailing paper or fee)

  
(Signature of person mailing paper or fee)

11-10-00  
Date

000111 23407260

**Figure 6**

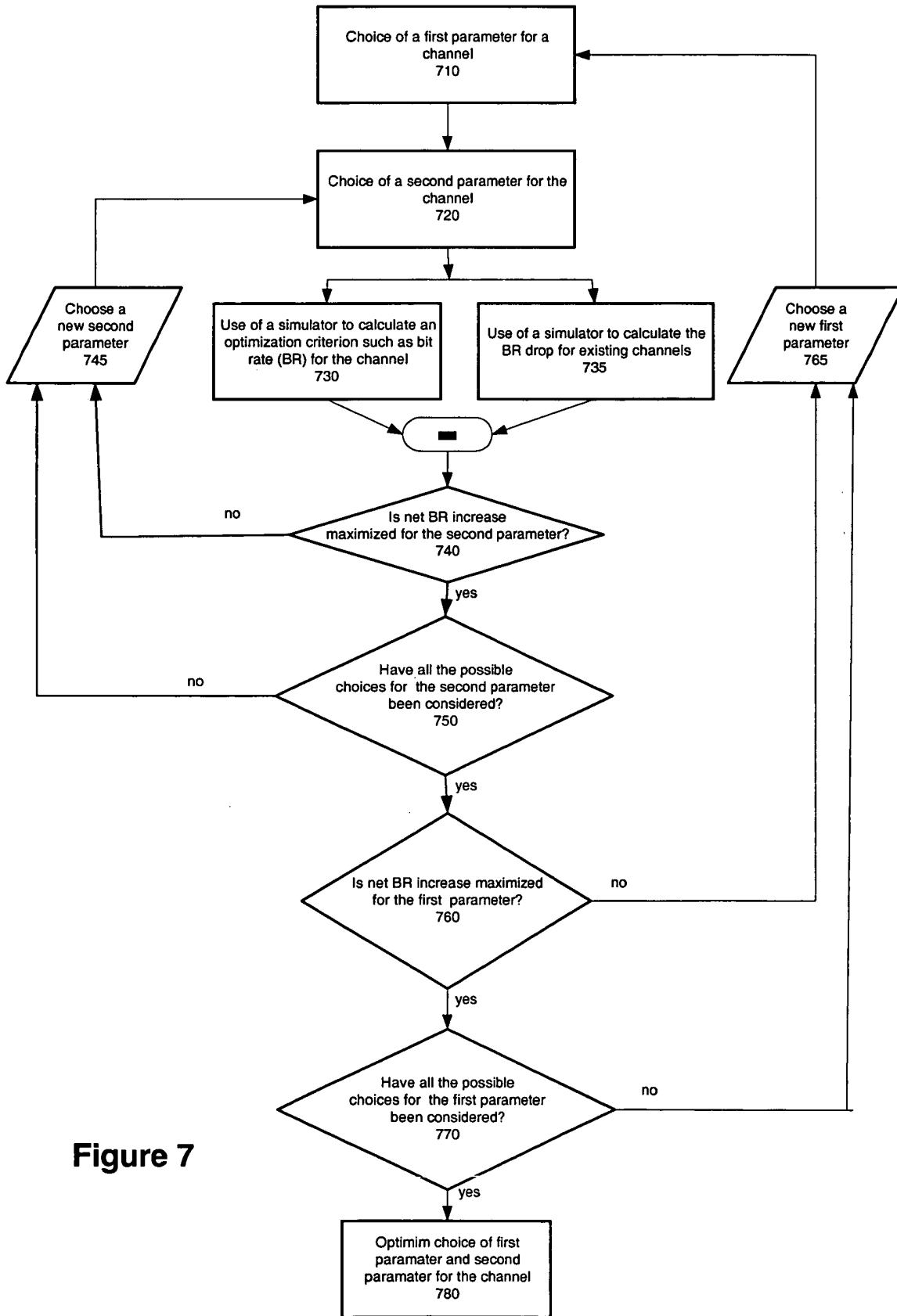
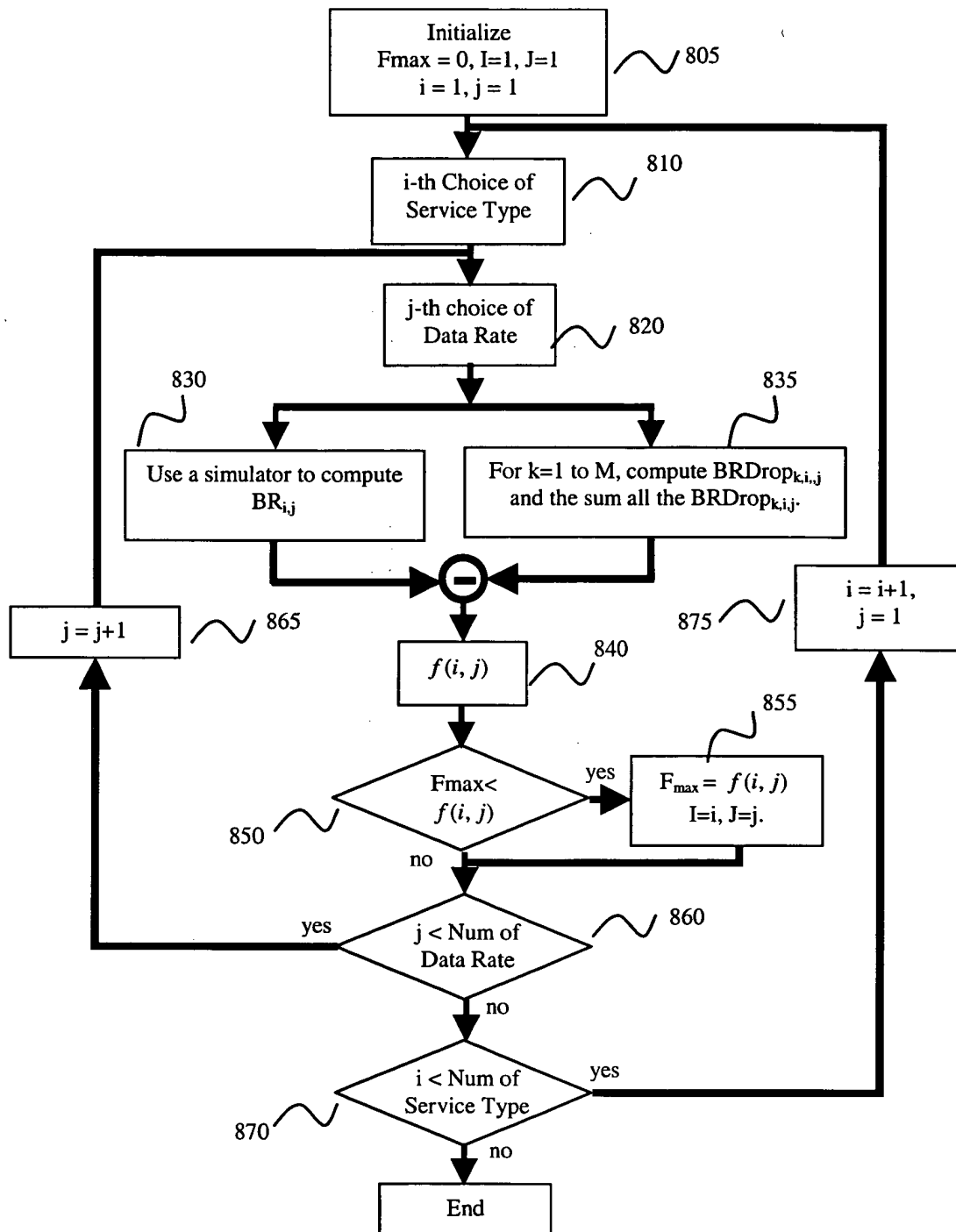
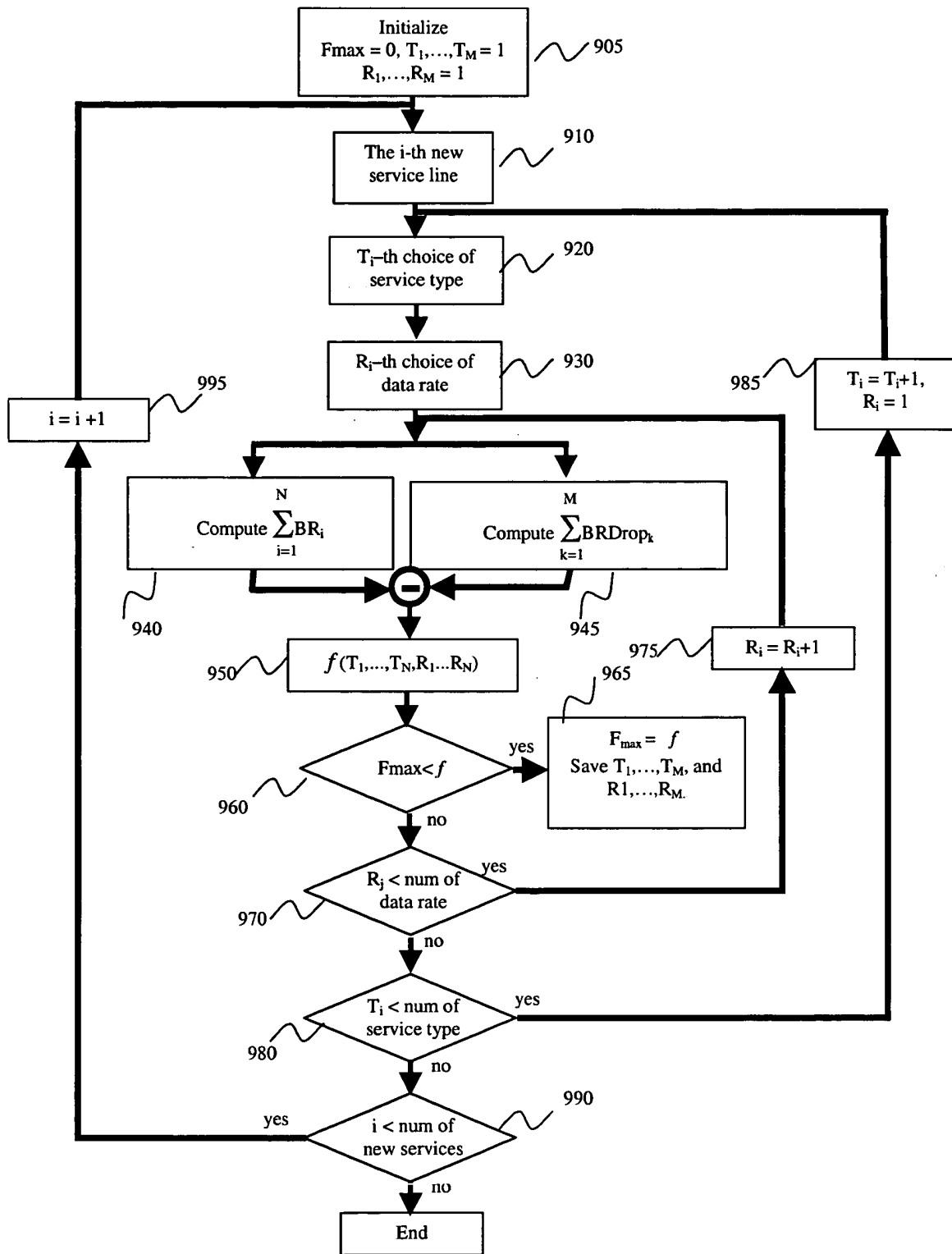


Figure 7





**Figure 8**



**Figure 9**



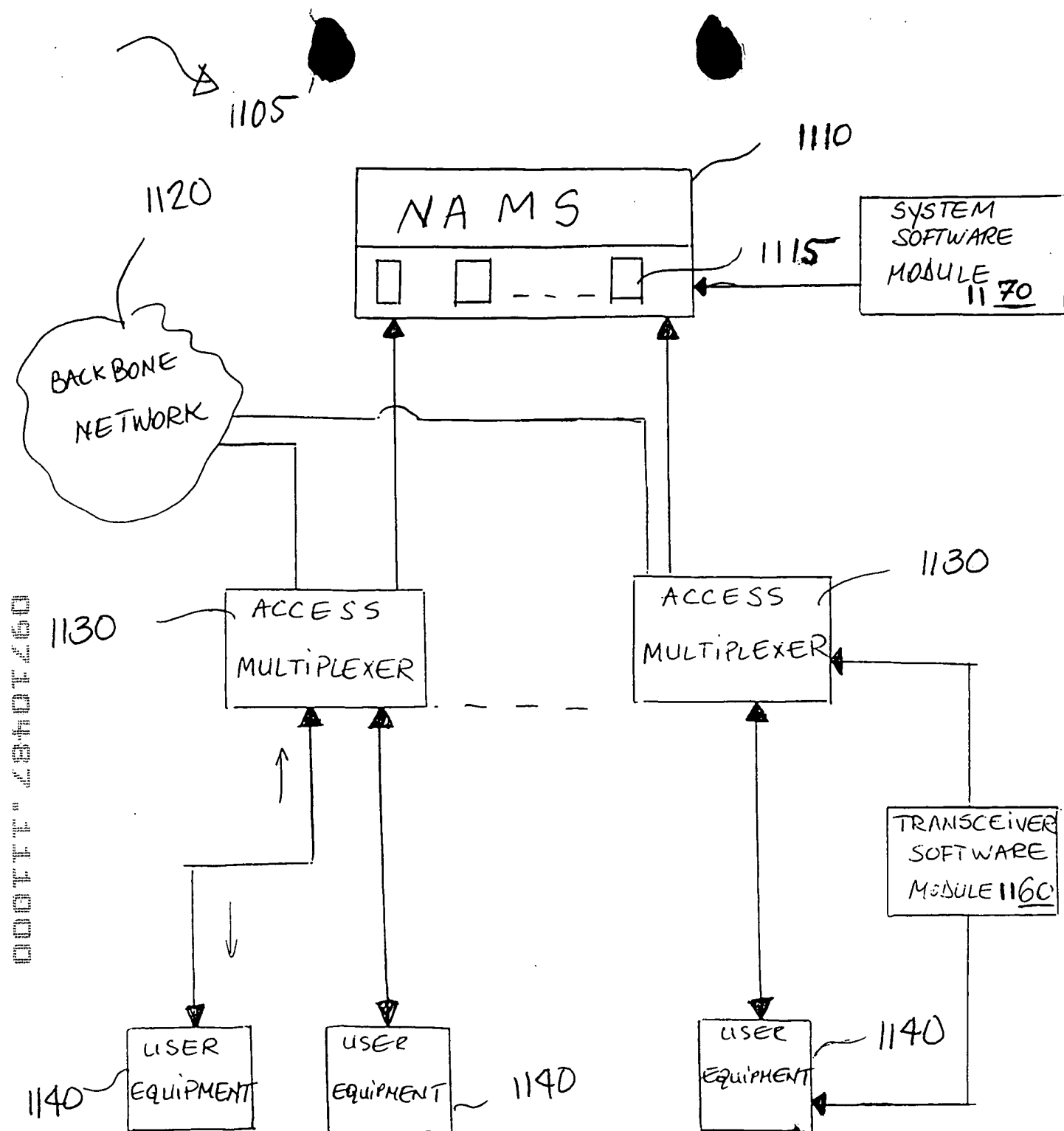


Fig. 11

